

20031220.ba v03_n583.bam.20031220

>From ???@??? Sat Dec 20 13:41:01 2003 -0600
Message-Id: <200312201940.hBKJemHP004650@sco.theporch.com>
Date: Sat, 20 Dec 2003 13:40:28 CST
From: Old Tube Radios <boatanchors@theporch.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: BOATANCHORS digest 3583

BOATANCHORS Digest 3583

Topics covered in this issue include:

- 1) Re: Stancor help
by WA5CAB@cs.com
- 2) Re: General Radio 1608A Impedance Bridge (fwd)
by John Poulton <jp@cs.unc.edu>
- 3) FS: very nice Drake TR-4CW/rit
by Avery Comarow <acomarow@usnews.com>
- 4) Prodded for another tube purge, update
by William Donzelli <aw288@osfn.org>
- 5) Re: General Radio 1608A Impedance Bridge (fwd)
by "Benjamin D. Hall" <kd5byb@earthlink.net>
- 6) Re: General Radio 1608A Impedance Bridge (fwd)
by "Arden Allen" <gumbear@pacbell.net>
- 7) Re: General Radio 1608A Impedance Bridge (fwd)
by john <johnmb@nc.rr.com>
- 8) whither GenRad...
by John Shriver <jshriver@internap.com>
- 9) Re: General Radio 1608A Impedance Bridge (fwd)
by Bob Roehrig <broehrig@aurora.edu>
- 10) tube perveance assistance
by "Eric Jones" <ejones@hiwaay.net>
- 11) Re: tube perveance assistance
by ail0@att.net
- 12) Re: General Radio 1608A Impedance Bridge (fwd)
by Henry van Cleef <vancleef@eskimo.com>
- 13) Re: General Radio 1608A Impedance Bridge (fwd)
by Scott Robinson <spr@earthlink.net>
- 14) Manual, RCA WV-87A
by Avery Comarow <acomarow@usnews.com>
- 15) Re: Manual, RCA WV-87A
by stuck in 50s <polepeeg@aa4rm.ba-watch.org>
- 16) Re: tube perveance assistance
by stuck in 50s <polepeeg@aa4rm.ba-watch.org>
- 17) GI frequency panel
by "Herbert M. Rosenthal" <herbrose@comcast.net>
- 18) Re: tube perveance assistance

- by WA5CAB@cs.com
- 19) Re: tube perveance assistance
by "Arden Allen" <gumbear@pacbell.net>
 - 20) 51S1 restoration recommendations?
by WYsixK <wy6k@yahoo.com>
 - 21) Ranger I Output?
by "Mike Hardie" <mmhardie@telus.net>
 - 22) Re: Ranger I Output?
by john <johnmb@nc.rr.com>

From: WA5CAB@cs.com
Message-ID: <1f0.15c7df87.2d1320b8@cs.com>
Date: Thu, 18 Dec 2003 10:24:40 EST
Subject: Re: Stancor help
To: Old Tube Radios <boatanchors@theporch.com>
MIME-Version: 1.0
Content-Type: multipart/alternative;
boundary="part1_1f0.15c7df87.2d1320b8_boundary"

--part1_1f0.15c7df87.2d1320b8_boundary
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Bob,

Stancor used to make a line of step-up/step-down auto-transformers for operating US made gear in Europe and vice-versa. As I recall, they ran from about 500 VA up to maybe 3 KVA, all rated 50/60 Hz.. We used to buy a lot of the 1 KVA models. They could be had with various connectors on the input and output cords and pre-wired as either step-up or step-down although the basic transformers at any KVA were all the same. Seems like the smaller ones did have a socket mounted in one of the end-bells. The only one I have here (migrated home when a competitor bought my company) is a 1 KVA with output cord, not mounted socket. The numbers stamped on it don't match anything in any of the period catalogs, either. Don't have the original box so don't know what part number we actually ordered it under.

But I'm sure that Marty is correct and that what you have is one of these.

In a message dated 12/18/2003 9:14:22 AM Central Standard Time,
polepeeg@aa4rm.ba-watch.org writes:

> Bob u last sed....

>

> >There is an AC receptacle on one side as is customary with isolation
> transformers, but only a single center-tapped winding making it a
> "110-220 volt autoformer", evidently a non-catalog item.

>
> I just looked in the '52 Radio Masters under Stancor. There's a P-5063
> in the Autoformer section section that'll give you 115V out w. 230 in.
> @ 100 watts. 4" high w. 3.25"x3.25" base. 4.5 lbs & type K mtg. which is
> "vertical C" with a 2-blade socket.
>
> Might be the re-numbered P-3163 since description & last 2 digits fit.
>
> Think I waited long enuf to write?
>

Robert Downs - Houston
<<http://www.wa5cab.com>> (Web Store)
<wa5cab@cs.com> (Primary email)
<wa5cab@houston.rr.com> (Backup email)

--part1_1f0.15c7df87.2d1320b8_boundary
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

* * * * *
* ---REMAINDER OF MESSAGE TRUNCATED--- *
* This post contains a forbidden message format *
* (such as an attached file, a v-card, HTML formatting) *
* Mail Lists at theporch.com only accept PLAIN TEXT *
* If your postings display this message your mail program *
* is not set to send PLAIN TEXT ONLY and needs adjusting *
* * * * *

--part1_1f0.15c7df87.2d1320b8_boundary--

Date: Thu, 18 Dec 2003 10:37:01 -0500 (EST)
From: John Poulton <jpg@cs.unc.edu>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: General Radio 1608A Impedance Bridge (fwd)
Message-ID: <Pine.GS0.4.10.10312181031000.24117-1000000@capefear.cs.unc.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I replied privately to Ben Hall about this, but his spam filter
blew me off. So, I'll reply to the entire list!

Generally, GR equipment is built like the proverbial battleship, and is
relatively straightforward. I have a manual for the 1608-A that I'd be
happy to scan in for you. Ben: let me know if you'd like me to do that...

I have a bunch of GR manuals, listed on-line at:

<http://www.cs.unc.edu/~jp/radios/GR>

Some of them have been scanned (at high resolution) and are there for free download. If anyone on the list has a need for one of the manuals on my list that hasn't yet been scanned, just let me know and I'll scan it in (as time permits, of course :) I'll probably decline if the manual is over, say, 50-60 pages, but most GR manuals are commendably brief.

Best 73, John K4OZY

On Wed, 17 Dec 2003, Benjamin D. Hall wrote:

> Good evening all,
>
> I've got an opportunity to purchase a non-working GR 1608A impedance
> bridge. Figured it would be a nice addition to the test gear I've got
> around the bench for working on Boatanchors, especially ID'ing unknown
> components.

...

Message-Id: <4.2.2.20031218162852.00adad70@ntpop.usnews.com>
Date: Thu, 18 Dec 2003 16:35:58 -0500
To: Old Tube Radios <boatanchors@theporch.com>
From: Avery Comarow <acomarow@usnews.com>
Subject: FS: very nice Drake TR-4CW/rit
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

[Advance apology: I posted this last night and haven't seen it appear, so I assumed it didn't go through. Please forgive me if you're seeing it for the second time on this list.]

I got this combo several years ago and never put it on the air. Time to get it off the shelf and to someone who will. It's too nice to sit.

The transceiver was one of the last off the line, serial no. 45311, and has the hard-to-find 34-PNB noise blanker, which I've seen go separately for \$200. It is extremely clean, a very conservative 9+. Front panel is flawless except for one 1/8" scratch below the RIT button. Cabinet top is perfect. Both sides are perfect except for one very small scratch on the left side. Chassis is clean, no corrosion. Bob Needleman, the second owner, who sold it to me and who is familiar to some of you, said the original owner did not modify it to the best of his knowledge, and he didn't, either.

The AC-4 power supply is installed inside the MS-4 speaker cabinet. The MS-4 has a few superficial scratches on top. The front grille is perfect.

Interconnect cables and a repro manual from Pete the Manual Man are included.

I'm hoping fervently the buyer will pick up (in Potomac, Md., northwest of D.C., a few miles outside the Beltway). I REALLY would prefer not to ship. The shipping demons, chuckling and rubbing their warty hands, lie in wait for the next victim. I'd be willing to drive up to 75 miles or so to drop it off if I get a largish nonrefundable deposit in advance to protect against last-minute changes of mind.

As noted, I've never put it on the air. A serious buyer who'd like to come by and test it on a dummy load is welcome to do so.

\$650 is a fair price. I've seen the transceiver alone go for that. Add the blander, power supply, and speaker, and this package looks pretty reasonable. If I have to ship, charges will be on top of that. If I don't have sufficient packing materials, I'll have to add whatever I have to pay.

Feel free to call, although I've included everything I know here. Home: 301-983-2407. Office: 202-955-2609.

73, Avery W3AVE

Date: Thu, 18 Dec 2003 16:58:54 -0500 (EST)
From: William Donzelli <aw288@osfn.org>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Prodged for another tube purge, update
Message-ID: <Pine.SUN.3.91-FP.1031218165612.14392E-1000000@osfn.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Thanks to all that have ordered tube lots. I am out of some, but still have quite a few SQUARES and TRIANGLES. A review:

> > So here is the deal. Each of these lots is a pile of used, untested tubes.
> > The obvious duds are pulled out. From feedback from past customers, it
> > seems that the pass rate seems to be between 80 and 90 percent - not too
> > shabby! The lots are sorted into categories, and unless specified, the
> > tube types are all decent boatanchor numbers (many JAN military) - all
> > those dumb 19 volt series string types and such are not included!
> > Basically, if the tube type is not cool enough to be in Sibley's Tube
> > Lore, it is not cool enough for these lots...

> >

> > Lot Description

> > -----

> > SQUARE (80) 7&9 pin 6&12V minis (6AU6, 6BA7, 6BH6, 6J6, 12AV6, etc.)
> > TRIANGLE (50) 7&9 pin industrial minis (5670, 5763, 6136, etc.)
> >
> > The price of each lot, shipped to a US door, is a \$20 bill. Feel free to
> > try to get multiple lots. If you live outside the US, contact me and I
> > will see what shipping might be.
> >
> > Yes, shapes this time.

Anyway, ley me know! Thanks!

William Donzelli
aw288@osfn.org

Message-Id: <5.1.0.14.0.20031218193041.025942c0@pop.earthlink.net>
Date: Thu, 18 Dec 2003 19:35:15 -0600
To: Old Tube Radios <boatanchors@theporch.com>
From: "Benjamin D. Hall" <kd5byb@earthlink.net>
Subject: Re: General Radio 1608A Impedance Bridge (fwd)
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 10:37 AM 12/18/2003 -0500, John Poulton wrote:
>I replied privately to Ben Hall about this, but his spam filter
>blew me off. So, I'll reply to the entire list!

Hey gang,

I apologize for the Earthlink SpamBlocker. It shoots you back a nasty little message making you think I won't see your message, when the truth is that I do get them and read them. It's not perfect but it works most of the time, with the exception being replies to list mail like this.

>Generally, GR equipment is built like the proverbial battleship, and is
>relatively straightforward. I have a manual for the 1608-A that I'd be
>happy to scan in for you. Ben: let me know if you'd like me to do that...

I appreciate the offer - looks like I'm going to stay away from the 1608A - it's a one tenth-percent unit, and I don't need anything that precise nor do I need the complication that goes with using something that precise. If I can locate a 1650, I think that one percent unit will fit the bill nicely!

>I have a bunch of GR manuals, listed on-line at:
>
><http://www.cs.unc.edu/~jp/radios/GR>

Very nice page and well worth bookmarking! I've not seen such a nice

collection of GR stuff before.

thanks and 73,
ben

From the computer of Benjamin D. Hall, kd5byb@earthlink.net.
Northern Alabama, USA.

Message-ID: <000201c3c631\$01c59910\$8fe57443@KB6NAX>
From: "Arden Allen" <gumbear@pacbell.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: General Radio 1608A Impedance Bridge (fwd)
Date: Fri, 19 Dec 2003 05:01:16 -0800
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Ben;

I went to <<http://www.cs.unc.edu/~jp/radios/GR>> and downloaded the history of General Radio .pdf. An interesting read particularly about their management and quality philosophy. Seems like that type of company has disappeared from the American scene. Surely GR has disappeared, unfortunately. The book was published in 1965 and GR's demise occurred much later. Has anybody picked up the story until the end? Whatever did happen to GR?

Arden Allen
KB6NAX

Message-Id: <3.0.3.32.20031219090543.02737be4@pop-server.nc.rr.com>
Date: Fri, 19 Dec 2003 09:05:43 -0500
To: Old Tube Radios <boatanchors@theporch.com>
From: john <johnmb@nc.rr.com>
Subject: Re: General Radio 1608A Impedance Bridge (fwd)
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

As far as I know, they still make state of the art component and board level test equipment. When I was at DEC, most all the bed-of-nails in circuit test gear was GenRad.

John K5MO

At 05:01 AM 12/19/03 -0800, Arden Allen wrote:

>
>Ben;
>
>I went to <<http://www.cs.unc.edu/~jp/radios/GR>> and downloaded the history
>of General Radio .pdf. An interesting read particularly about their
>management and quality philosophy. Seems like that type of company has
>disappeared from the American scene. Surely GR has disappeared,
>unfortunately. The book was published in 1965 and GR's demise occurred much
>later. Has anybody picked up the story until the end? Whatever did happen
>to GR?
>
>Arden Allen
>KB6NAX
>
>
>
>---
>
>Checked by AVG anti-virus system (<http://www.grisoft.com>).
>Version: 6.0.547 / Virus Database: 340 - Release Date: 12/2/03
>

Message-ID: <3FE30A93.1010406@internap.com>
Date: Fri, 19 Dec 2003 09:26:27 -0500
From: John Shriver <jshriver@internap.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: whither GenRad...
Content-Type: text/plain; charset=ISO-8859-1; format=flowed
Content-Transfer-Encoding: 7bit

They got into the Automatic Test Equipment business, as John noted in his response. Both for integrated circuit testing, and for assembled PC board testing.

This is a deeply cyclical business, with severe boom/bust cycles. Very different business model from their old test equipment and standards business. It also had much higher technical obsolescence rates, making it very capital intensive.

The capital needs kept them from investing in updating the analog test equipment. Also, technology changes there sped up (microprocessors). That business became less competitive, and they chose to focus on the high-stakes ATE business. They finally spun off the analog/standards business as QuadTech in 1991. QuadTech had some struggles, and some

hard time getting some new bridge products working. They are still in business, making the Digibridges, and other products. Current product line appears to be partly GenRad based, and partly not.

A bunch of the other GenRad products are now available from IET Labs.

They bought that product line in 2000, presumably from QuadTech. They are making the sound level meters, some of the standards, and the decade boxes. It looks like they also have the remaining spare parts inventory.

As for the GenRad ATE product line, Teradyne bought them in 2001.

Teradyne appears to have bought many of their competitors.

In terms of who's taken up the slack in GenRad's classic market space, I think Agilent (HP's instrumentation spinoff) probably is the most successful. They make some great stuff, like super synthesized RF generators. (However, neither Agilent or Tektronix provide long-term support for discontinued products anymore!)

There are more than a few folks out there repairing and recalibrating the standards. GenRad's tendency towards solutions that depended on mechanical engineering of the product has made them very durable.

However, their tendency to make so many parts "in house" means that spare parts can be an issue. I can't think of any other company who had all their screws custom made! (They used a very distinctive rectangular head Philips screw.)

Arden Allen wrote:

>Ben;

>

>I went to <<http://www.cs.unc.edu/~jp/radios/GR>> and downloaded the history
>of General Radio .pdf. An interesting read particularly about their
>management and quality philosophy. Seems like that type of company has
>disappeared from the American scene. Surely GR has disappeared,
>unfortunately. The book was published in 1965 and GR's demise occurred much
>later. Has anybody picked up the story until the end? Whatever did happen
>to GR?

>

>Arden Allen

>KB6NAX

>

>

>

>

Date: Fri, 19 Dec 2003 08:26:27 -0600 (CST)
From: Bob Roehrig <broehrig@aurora.edu>

To: Old Tube Radios <boatanchors@theporch.com>
cc: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: General Radio 1608A Impedance Bridge (fwd)
Message-ID: <Pine.OSF.4.58.0312190825330.273426@mail.aurora.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 19 Dec 2003, Arden Allen wrote:

> Has anybody picked up the story until the end? Whatever did happen
> to GR?

Dunno if they are still around or not. Back in the 80's when I was still working at AT&T, we had some automated test sets from Gen-rad.

Bob Roehrig
Aurora University Telecom/IS dept.
broehrig@aurora.edu 73 de K9EUI
630-844-4898 fax 630-844-4222

Message-ID: <006e01c3c646\$aaea5480\$9941b4d8@ejones>
From: "Eric Jones" <ejones@hiwaay.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: tube perveance assistance
Date: Fri, 19 Dec 2003 09:40:19 -0600
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

de N4TGC Eric

Thanks for all the help and replies - I did finally check Sibley's, and he doesn't seem to mention perveance, altho there's certainly a wealth of other good info there - I will assert that calling loctals "7" and "14" was not "gerrymandering", tho: since generator voltage in a vehicle can easily rise well above 6.3 and 12.6v, differentiating loctals by raising the first number was a natural.

I asked the guru-types as no book I have here mentions perveance - not even the 10-lb, 3"-thick, McGraw-Hill Concise Ency. of Science and Tech.; and my phone line is so slow, that the internet is well-nigh useless: a typical ebay page takes 20 seconds to load, and if I go look at a site that has photos, it can take some 2 minutes per page! I did finally get cable TV out near me, but that's a mixed blessing: not only is a cable modem \$40/mo., but viruses and spyware would be able to load instantly - much faster than I can yank the phone line out of the wall! Makes ya wanna be a Luddite ...

e

From: ail0@att.net
To: Old Tube Radios <boatanchors@theporch.com>
Cc: "Eric Jones" <ejones@hiwaay.net>,
Old Tube Radios <boatanchors@theporch.com>
Subject: Re: tube perveance assistance
Date: Fri, 19 Dec 2003 18:02:04 +0000
Message-Id: <121920031802.1073.e41@att.net>

The "Radiotron Designers Handbook" defines perveance, points out that it is relatively independent of electrode voltages and gives graphical methods for determining the perveance of triodes and pentodes. The "Reference Data for Radio Engineers" defines perveance and gives formulae for calculating diode and triode perveance based upon the geometry and spacing of the elements of the tube.
Art K3HBA

From: Henry van Cleef <vancleef@eskimo.com>
Message-Id: <200312191811.KAA19312@eskimo.com>
Subject: Re: General Radio 1608A Impedance Bridge (fwd)
To: Old Tube Radios <boatanchors@theporch.com>
Date: Fri, 19 Dec 2003 11:11:18 -0700 (MST)
Cc: boatanchors@theporch.com (Old Tube Radios)
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The esteemed Arden Allen has said:

>
> Ben;
>
> I went to <<http://www.cs.unc.edu/~jp/radios/GR>> and downloaded the history
> of General Radio .pdf. An interesting read particularly about their
> management and quality philosophy. Seems like that type of company has
> disappeared from the American scene. Surely GR has disappeared,
> unfortunately. The book was published in 1965 and GR's demise occurred much
> later. Has anybody picked up the story until the end? Whatever did happen
> to GR?

>
Genrad was bought by Teradyne a year or so ago.
General Radio was started in 1916 and lived until the 1960's on their lines of general purpose instrumentation, precision passives, and, later, unit signal generators. The 650 and later 1650 CRL bridges were bread and butter items for them---you simply did not have an electrical design shop worthy of the name without having and using

one.

They had a building at 275 Mass. Ave., Cambridge, just northwest of the MIT campus but weren't, so far as I know, tied into MIT in the sense that DEC later was. I think it was 1957 or 58 that they built a new facility out in Concord and moved out of Cambridge, and changed the name to Genrad shortly after. The company I worked for in the late '50's, General Electronic Labs (long since vanished), rented the Mass Ave building for several years after GR went to Concord---I remember working projects there in 1959.

Later Genrad (1970's) moved out of instrumentation and into automatic test equipment (ATE). This area really started with DITMCO (Drive-in theater manufacturing), and their equipment for checking out drive-in loudspeaker installations, and Teradyne, which was started by two MIT grad semiconductor engineers in 1960, moved into more sophisticated ATE than DITMCO around 1965. So Genrad was a late starter in the field, and while they had good products, they never developed solid market bases for them. Through most of the '90's, they were floundering around, and finally, with the slump in high tech in recent years, were bought out by Teradyne before they went belly-up.

So yes, GR still lives, but I don't recall that Teradyne is using the name for marketing.

--

Hank van Cleef (vancleef@eskimo.com, hvanclee@nyx.net)
1986 420SEL

Mime-Version: 1.0

Message-Id: <p06020401bc08febb9ffb@[216.175.97.218]>

Date: Fri, 19 Dec 2003 11:21:11 -0800

To: Old Tube Radios <boatanchors@theporch.com>

From: Scott Robinson <spr@earthlink.net>

Subject: Re: General Radio 1608A Impedance Bridge (fwd)

Cc: boatanchors@theporch.com (Old Tube Radios)

Content-Type: text/plain; charset="us-ascii" ; format="flowed"

...and Scott adds:

GenRad long ago (25 years?) sold the small instrument business to a spin-off called Quad Tech, in Bolton, MA, enabling GenRad to focus on their automated tester business. I think they are still in business, and for any of the things we mess with here, including the 1608, they are the ones to call. Parts unlikely, manuals possible, but ask. They were friendly a couple of years ago when I was researching both a 1310 audio oscillator and a 1982 sound level meter.

I used their stuff a lot when I worked in acoustics for BBN in Cambridge, Massachusetts from 1966 to 1978.

I have a small heap of it now, partly to remind me of laborious data acquisition methods before real time spectrum analyzers and other such mod cons (British for modern conveniences, used in real estate ads).

Merry Christmas, and may the smoke stay inside your parts!

Scott Robinson

>At 11:11 AM -0700 12/19/03, Henry van Cleef wrote:

> >

>

>So yes, GR still lives, but I don't recall that Teradyne is using the
>name for marketing.

>--

>Hank van Cleef (vancleef@eskimo.com, hvanclee@nyx.net)

>1986 420SEL

Message-Id: <4.2.2.20031219154754.00af2340@ntpop.usnews.com>

Date: Fri, 19 Dec 2003 15:49:27 -0500

To: Old Tube Radios <boatanchors@theporch.com>

From: Avery Comarow <acomarow@usnews.com>

Subject: Manual, RCA WV-87A

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

Anybody got one they'd copy for me? This is the bench VTVM with the big meter (though not nearly as big as the 9-inch monster on my Hickok 209C).

Avery W3AVE

Date: Fri, 19 Dec 2003 18:52:07 -0500 (EST)

From: stuck in 50s <polepeeg@aaa4rm.ba-watch.org>

Message-Id: <200312192352.hBJNq7724640@barnjob.ba-watch.org>

To: Old Tube Radios <boatanchors@theporch.com>

Cc: boatanchors@theporch.com

Subject: Re: Manual, RCA WV-87A

> though not nearly as big as the 9-inch monster on my Hickok 209C

Bogofilter install here rated this at spamicity = 0.57004.

A near-miss on the blockade s/w.

You knew this would happen, didnt u Avery?

Date: Fri, 19 Dec 2003 19:09:06 -0500 (EST)
From: stuck in 50s <polepeeg@aa4rm.ba-watch.org>
Message-Id: <200312200009.hBK096T24677@barnjob.ba-watch.org>
To: Old Tube Radios <boatanchors@theporch.com>
Cc: w2cqh@asti.net
Subject: Re: tube perveance assistance

Ya know, I'm gonna guess

Did Perveance come from word "pervasive?"

The electron presence around a giant cathode, as in a 4D32 or a 7094(*),
is lots more pervasive than usual.

Now since power is $E \times I$, it takes twice as much I if you halve E
to get same power.

Now current relates to coulombs per second & electrons are 1.6×10^{-19}
coulombs each. Hence more electrons, more current.

Wud Judge Judy say "Res Ipso Loquitor now?"

Marty

*did RCA hose hams with importance of High Perveance in the 60s? Check
period QST back-covers some.

Message-ID: <3FE39728.4B17BC32@comcast.net>
Date: Fri, 19 Dec 2003 17:26:37 -0700
From: "Herbert M. Rosenthal" <herbrose@comcast.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: GI frequency panel
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The AM station I worked for as a kid in 1947, WOLF, 1490 KC 250 watts of music,
news and buckaroos, in Syracuse, NY, had a GI frequency panel... a magnificent
panel with its black alligator finish and a large thermometer set into the
panel. Pretty sure we used to log the temperature (or its deviation from a fixed
value)... this related to the frequency of the carrier-long before counters
became popular.

Herb Rosenthal W5AN

Albuquerque

From: WA5CAB@cs.com
Message-ID: <a3.4ed1d3e8.2d14fc2c@cs.com>
Date: Fri, 19 Dec 2003 20:13:16 EST
Subject: Re: tube perveance assistance
To: Old Tube Radios <boatanchors@theporch.com>
CC: w2cqhq@astinet.net
MIME-Version: 1.0
Content-Type: multipart/alternative;
boundary="part1_a3.4ed1d3e8.2d14fc2c_boundary"

--part1_a3.4ed1d3e8.2d14fc2c_boundary
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

In a message dated 12/19/2003 6:11:05 PM Central Standard Time,
polepeeg@aaa4rm.ba-watch.org writes:

> Wud Judge Judy say "Res Ipso Loquitor now?"

>

She'd more likely say "Ipse Dixet". :-)

Robert Downs - Houston
<<http://www.wa5cab.com>> (Web Store)
<wa5cab@cs.com> (Primary email)
<wa5cab@houston.rr.com> (Backup email)

--part1_a3.4ed1d3e8.2d14fc2c_boundary
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

* * * * *
* ---REMAINDER OF MESSAGE TRUNCATED--- *
* This post contains a forbidden message format *
* (such as an attached file, a v-card, HTML formatting) *
* Mail Lists at theporch.com only accept PLAIN TEXT *
* If your postings display this message your mail program *
* is not set to send PLAIN TEXT ONLY and needs adjusting *
* * * * *

--part1_a3.4ed1d3e8.2d14fc2c_boundary--

Message-ID: <002201c3c69c\$485c6b40\$cfe57443@KB6NAX>
From: "Arden Allen" <gumbear@pacbell.net>
To: Old Tube Radios <boatanchors@theporch.com>

Cc: <w2cqh@asti.net>
Subject: Re: tube perveance assistance
Date: Fri, 19 Dec 2003 17:54:56 -0800
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Marty;

> Did Perveance come from word "pervasive?"

Probably partly. The other part would be "permeance," a word taken by the
magnetics folks.

If you can spell it it is a word!

Arden Allen
KB6NAX

Message-ID: <20031220032812.33842.qmail@web10902.mail.yahoo.com>
Date: Fri, 19 Dec 2003 19:28:12 -0800 (PST)
From: WYsixK <wy6k@yahoo.com>
Subject: 51S1 restoration recommendations?
To: Old Tube Radios <boatanchors@theporch.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Anybody have recommendations as to who to have restore my 51S1?

Thanks,
Michael

Do you Yahoo!?
New Yahoo! Photos - easier uploading and sharing.
<http://photos.yahoo.com/>

From: "Mike Hardie" <mmhardie@telus.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Ranger I Output?
Date: Sat, 20 Dec 2003 11:12:34 -0800
Message-ID: <000001c3c72d\$394c8e00\$6601a8c0@useres61rwhh61>
MIME-Version: 1.0
Content-Type: text/plain;
charset="us-ascii"

Content-Transfer-Encoding: 7bit

The power output at the feedline is indicating 35 watts, AM and CW, all bands. Front panel adjustments were done as per the manual to something below the max allowable. I suspect the power output is on the low side. Tubes are OK on emission and short tests.

Anyone have suggestions on trouble shooting?

Mike VE7MMH

Message-Id: <3.0.3.32.20031220145450.029a1af4@pop-server.nc.rr.com>
Date: Sat, 20 Dec 2003 14:54:50 -0500
To: Old Tube Radios <boatanchors@theporch.com>
From: john <johnmb@nc.rr.com>
Subject: Re: Ranger I Output?
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Sounds about right to me! I think that's within a few watts of why my Rangers do.

73

John K5MO

At 11:12 AM 12/20/03 -0800, Mike Hardie wrote:

>
>The power output at the feedline is indicating 35 watts, AM and CW, all
>bands. Front panel adjustments were done as per the manual to something
>below the max allowable. I suspect the power output is on the low side.
>Tubes are OK on emission and short tests.
>
>Anyone have suggestions on trouble shooting?
>
>Mike VE7MMH
>
>
>
>---
>
>Checked by AVG anti-virus system (<http://www.grisoft.com>).
>Version: 6.0.547 / Virus Database: 340 - Release Date: 12/2/03
>

End of BOATANCHORS Digest 3583
